

# BENCHMARKING PROGRAMS AND POLICIES LEVERAGING ENERGY STAR®

The simple  
choice for  
energy  
efficiency.



July 2018

State and local governments, as well as many associations and other organizations across the country, are taking action to protect the environment and reduce energy costs by enacting benchmarking policies and running voluntary programs that leverage EPA's ENERGY STAR® Portfolio Manager® tool. This document provides a summary of national, state, and local efforts that use Portfolio Manager to improve energy efficiency in buildings.

## Table of Contents

NATIONAL POLICIES LEVERAGING ENERGY STAR TOOLS.....	2
STATE POLICIES LEVERAGING ENERGY STAR TOOLS .....	2
LOCAL POLICIES LEVERAGING ENERGY STAR TOOLS .....	4
NATIONAL VOLUNTARY PROGRAMS LEVERAGING ENERGY STAR TOOLS .....	8
STATE VOLUNTARY PROGRAMS LEVERAGING ENERGY STAR TOOLS .....	10
LOCAL VOLUNTARY PROGRAMS LEVERAGING ENERGY STAR TOOLS.....	11



## NATIONAL POLICIES LEVERAGING ENERGY STAR TOOLS

Organization	Policy	Scope	Requirements
The Executive Office of the President of the U.S.	<a href="#">Executive Order 13693: Planning for Federal Sustainability in the Next Decade</a> 2015	All federal agencies.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Agencies must meet rigorous sustainability goals, including improving energy and water efficiency, boosting the percentage of their energy use that comes from renewable electric and alternative energy, and completing broader sustainability assessments.</li> </ol>
U.S. Congress	<a href="#">Energy Independence and Security Act (EISA) Section 435</a> 2007	All federal agencies.	<ol style="list-style-type: none"> <li>1. Federal agencies must lease space in buildings that have earned ENERGY STAR certification no more than 12 months prior to the lease award date.</li> <li>2. If a lessor's building type is not eligible to earn ENERGY STAR certification, federal tenants will require certain cost-effective energy efficiency upgrades to the building.</li> </ol>
	<a href="#">EISA Section 432, DOE 2014 Benchmarking Guidance</a> 2007	All federally owned or leased, metered and covered, buildings.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Benchmarking data will be publicly disclosed via the Department of Energy's Compliance Tracking System.</li> </ol>

## STATE POLICIES LEVERAGING ENERGY STAR TOOLS

Organization	Policy	Scope	Requirements
State of California	<a href="#">Assembly Bill 758</a> 2015	Commercial and multifamily buildings more than 50,000 square feet, and all state agencies.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. State agencies must lease space in buildings that have earned ENERGY STAR certification, where possible.</li> <li>3. Applicable buildings must reduce energy use by 20 percent by 2030.</li> <li>4. Benchmarking data will be publicly disclosed for applicable buildings via an online database.</li> </ol>
	<a href="#">Assembly Bill 802</a> 2015	Utility companies serving California; commercial and multifamily buildings more than 50,000 square feet.	<ol style="list-style-type: none"> <li>1. Utilities must provide applicable buildings with aggregated whole-building energy usage data in a format compatible with the ENERGY STAR Portfolio Manager tool.</li> <li>2. Utilities must be able to provide this data starting on January 1, 2017.</li> </ol>
State of Connecticut	<a href="#">Senate Bill 1243</a> 2011	Utility companies serving Connecticut; all state owned and leased buildings.	<ol style="list-style-type: none"> <li>1. Utilities must provide applicable buildings with aggregated whole-building energy usage data in a format compatible with the ENERGY STAR Portfolio Manager tool.</li> <li>2. Applicable buildings must reduce energy use by at least 10 percent by 2013 and by another 10 percent by 2018.</li> </ol>
State of Delaware	<a href="#">Executive Order 18</a> 2010	All state owned and leased buildings.	<ol style="list-style-type: none"> <li>1. The Office of Management and Budget and the Department of Natural Resources and Environmental Control must establish a plan to track and report annual energy use of applicable buildings using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Applicable buildings were required to reduce energy use by at least 20 percent by 2013 compared to 2008, and successfully did so.</li> </ol>



## STATE POLICIES LEVERAGING ENERGY STAR TOOLS

Organization	Policy	Scope	Requirements
State of Hawaii	<a href="#">House Bill 1464</a> 2006	State owned buildings more than 5,000 square feet or those using more than 8,000 kWh of electricity or equivalent amount of energy per year.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool or an equivalent tool.</li> <li>2. The energy resources coordinator will provide training on Portfolio Manager to affected state departments.</li> </ol>
State of Michigan	<a href="#">Executive Directive 2007-22</a> 2005	All state owned buildings occupied by state employees.	<ol style="list-style-type: none"> <li>1. Buildings occupied by state employees must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> </ol>
State of New York	<a href="#">Executive Order 88</a> 2012	All state owned and managed buildings.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Applicable buildings must reduce average source energy use intensity 20 percent by 2020 compared to a 2010/2011 baseline.</li> <li>3. Benchmarking data will be publicly disclosed for applicable buildings via an online database.</li> </ol>
State of Oklahoma	<a href="#">Oklahoma Facilities Energy Program</a> 2014	All state owned buildings and higher education buildings.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Applicable buildings must improve energy efficiency at least 20 percent by 2020.</li> <li>3. Applicable building owners must seek to obtain ENERGY STAR Certification for all eligible facilities.</li> </ol>
State of Oregon	<a href="#">State Energy Efficiency Design (SEED) Program</a> 2012	All state owned buildings.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Applicable buildings were required to reduce energy use intensity by 20 percent by 2015 compared to a 2000 baseline, and will need to further reduce by another 20 percent by 2023.</li> <li>3. State agencies must incorporate energy efficient design aspects into the construction or renovation of all applicable buildings.</li> </ol>
State of Texas	<a href="#">Energy and Water Reporting</a> 2017	State agency and higher education buildings.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy and water use using the ENERGY STAR Portfolio Manager tool.</li> </ol>
State of Utah	<a href="#">Executive Order 2006-0004</a> 2006	All state owned buildings.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Applicable buildings were required to achieve an energy efficiency increase of 20 percent by 2015.</li> </ol>



July 2018

## STATE POLICIES LEVERAGING ENERGY STAR TOOLS

Organization	Policy	Scope	Requirements
State of Washington	<a href="#">Senate Bill 5854 - 2009-10</a> 2009	State owned buildings and commercial buildings more than 10,000 square feet; Utility companies serving the state of Washington.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Applicable commercial buildings must disclose energy performance metrics to a prospective buyer, lessee, or lender.</li> <li>3. New construction buildings more than 10,000 square feet must meet state energy code targets using the ENERGY STAR Target Finder tool or equivalent methodology.</li> <li>4. Qualifying utilities must provide applicable buildings with aggregated whole-building energy usage data in a format compatible with the ENERGY STAR Portfolio Manager tool.</li> <li>5. Benchmarking data will be publicly disclosed for applicable buildings.</li> </ol>
	<a href="#">State Efficiency and Environmental Performance</a> 2018	State owned and leased facilities.	<ol style="list-style-type: none"> <li>1. Directors shall ensure that their agencies adopt and implement plans to reduce energy use in state-owned facilities by at least 10% during the first year.</li> <li>2. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> </ol>

## LOCAL POLICIES LEVERAGING ENERGY STAR TOOLS

Organization	Policy	Scope	Requirements
City of Atlanta, GA	<a href="#">Commercial Buildings Energy Efficiency Ordinance</a> 2015	Commercial buildings more than 25,000 square feet and all municipal buildings.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Applicable commercial buildings must disclose their benchmarking data to the city.</li> <li>3. Applicable buildings must receive an energy audit at least once every 10 years.</li> </ol>
City of Austin, TX	<a href="#">ECAD Ordinance for Owners of Commercial Buildings</a> 2008	Commercial buildings more than 10,000 square feet that receive electricity from Austin Electric Utility.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool, or a system approved by the utility.</li> <li>2. Applicable buildings must disclose their 1 – 100 ENERGY STAR Score to a purchaser or prospective purchaser of the facility before the time of sale.</li> </ol>
City of Berkeley, CA	<a href="#">Berkeley Energy Saving Ordinance</a> 2015	All buildings more than 25,000 square feet.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Applicable buildings must provide the city with an energy performance report generated in Portfolio Manager, including the 1 – 100 ENERGY STAR Score.</li> <li>3. Applicable buildings must provide the energy performance report to existing lessees and to prospective lessees and buyers prior to execution of a lease or contract for sale.</li> <li>4. Applicable buildings must have an energy assessment performed every 5 years as well as at point of sale, with owners disclosing the results to potential buyers.</li> </ol>



## LOCAL POLICIES LEVERAGING ENERGY STAR TOOLS

Organization	Policy	Scope	Requirements
City of Boston, MA	<a href="#">Energy Reporting and Disclosure Ordinance 2013</a>	All city owned buildings, commercial buildings more than 35,000 square feet, and residential buildings more than 35,000 square feet or more than 35 units.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy and water use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Benchmarking data will be publicly disclosed for applicable buildings via an online database.</li> </ol>
City of Boulder, CO	<a href="#">Boulder Building Performance Ordinance 2015</a>	Commercial and industrial buildings more than 20,000 square feet, new commercial and industrial buildings more than 10,000 square feet, and city owned buildings more than 5,000 square feet.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Benchmarking data will be publicly disclosed for applicable buildings after a two-year grace period.</li> <li>3. Every 10 years, applicable buildings must perform energy assessments and retrocommissioning, and implement cost-effective energy efficiency improvements within two years of the retrocommissioning.</li> </ol>
City of Cambridge, MA	<a href="#">Building Energy Usage and Disclosure 2014</a>	Municipal buildings, nonresidential buildings more than 25,000 square feet, and residential buildings with more than 50 units.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Benchmarking data will be publicly disclosed for applicable buildings via an online database.</li> </ol>
City of Chicago, IL	<a href="#">Building Energy Use Benchmarking Ordinance 2013</a>	Commercial and residential buildings more than 50,000 square feet.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Applicable buildings must disclose their 1 – 100 ENERGY STAR Score, energy use intensity, and greenhouse gas emissions, which the city will publicly disclose one year after the first annual report is submitted.</li> </ol>
Cook County, IL	<a href="#">Building Energy Benchmarking Ordinance 2014</a>	County buildings more than 35,000 square feet.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy and water use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Benchmarking data will be publicly disclosed for applicable buildings via an online database.</li> </ol>
City of Denver, CO	<a href="#">Executive Order 123 2007</a>	Newly constructed city owned and operated buildings, and existing city owned and operated buildings undergoing major renovations.	<ol style="list-style-type: none"> <li>1. Applicable newly constructed buildings must be Designed to Earn the ENERGY STAR as determined by the ENERGY STAR Target Finder tool.</li> <li>2. Applicable existing buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> </ol>
	<a href="#">Energize Denver 2016</a>	All municipal, commercial, and multifamily buildings greater than 25,000 square feet.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Benchmarking data will be publicly disclosed for applicable buildings via an online database.</li> </ol>
City of Evanston, IL	<a href="#">Building Energy and Water Use Benchmarking Ordinance 2016</a>	City owned buildings greater than 10,000 square feet; all non-condo buildings greater than 20,000 square feet; all condo buildings greater than 50,000 square feet	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Applicable buildings must have a certified professional verify their data, or earn ENERGY STAR certification, every three years.</li> <li>3. Benchmarking data will be publicly disclosed for applicable buildings via an online database.</li> </ol>



## LOCAL POLICIES LEVERAGING ENERGY STAR TOOLS

Organization	Policy	Scope	Requirements
City of Kansas City, MO	<a href="#">Energy Empowerment Ordinance 2015</a>	Municipal buildings more than 10,000 square feet, and institutional, commercial, and multifamily residential buildings more than 50,000 square feet.	1. Applicable buildings must track and report their annual energy and water use using the ENERGY STAR Portfolio Manager tool.
City of Los Angeles, CA	<a href="#">Ordinance 184674 2016</a>	Municipal buildings more than 7,500 square feet, and privately owned and state agency buildings located in the city more than 20,000 square feet.	1. Applicable buildings must track and report their annual energy and water use using the ENERGY STAR Portfolio Manager tool. 2. Benchmarking data will be publicly disclosed for applicable buildings via an online database.
City of Minneapolis, MN	<a href="#">Ordinance 47.190 2013</a>	City buildings more than 25,000 square feet and commercial buildings more than 100,000 square feet.	1. Applicable buildings must track and report their annual energy and water use using the ENERGY STAR Portfolio Manager tool. 2. Benchmarking data will be publicly disclosed for applicable buildings.
Montgomery County, MD	<a href="#">Bill 2-14 2014</a>	All county owned nonresidential buildings, and privately owned nonresidential buildings more than 50,000 square feet.	1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool. 2. Applicable buildings must have a Recognized Data Verifier verify their data every three years. 3. Benchmarking data will be publicly disclosed for County buildings.
City of New York, NY	<a href="#">Greener, Greater Buildings Plan 2009</a>	City buildings more than 10,000 square feet, groups of private buildings on a single lot more than 100,000 square feet, and private buildings more than 50,000 square feet.	1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool. 2. Beginning in 2018, private buildings more than 25,000 square feet will be required to comply with the benchmarking requirement. 3. Benchmarking data will be publicly disclosed for applicable buildings.
City of Orlando, FL	<a href="#">Building Energy and Water Efficiency Strategy 2016</a>	City owned buildings more than 10,000 square feet and non-city owned buildings more than 50,000 square feet.	1. Applicable buildings must track and report their annual energy and water use using the ENERGY STAR Portfolio Manager tool. 2. Benchmarking data will be publicly disclosed for applicable buildings via an online database.
City of Philadelphia, PA	<a href="#">Energy and Benchmarking Disclosure Law 2012</a>	Commercial and residential buildings more than 50,000 square feet.	1. Applicable buildings must track and report their annual energy and water use using the ENERGY STAR Portfolio Manager tool. 2. The seller or lessor of an eligible building must, upon request, provide prospective purchasers or lessees with a copy of the building's most recent Statement of Energy Performance. 3. Benchmarking data will be publicly disclosed for applicable buildings via an online database.
City of Pittsburgh, PA	<a href="#">Building Benchmarking Ordinance 2016</a>	All city owned buildings, and commercial buildings more than 50,000 square feet.	1. Applicable buildings must track and report their annual energy and water use using the ENERGY STAR Portfolio Manager tool.





## LOCAL POLICIES LEVERAGING ENERGY STAR TOOLS

Organization	Policy	Scope	Requirements
City of Portland, ME	<a href="#">Building Energy Use Benchmarking Ordinance 2016</a>	All municipal and nonresidential buildings between 20,000 and 50,000 square feet, and residential buildings with more than 50 units.	1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.
City of Portland, OR	<a href="#">Energy Performance Reporting Policy 2015</a>	Commercial buildings more than 20,000 square feet.	1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool and must comply by 2017. 2. Benchmarking data will be publicly disclosed for applicable buildings.
City of Rockville, MD	<a href="#">Ordinance 09-16 2016</a>	All county owned nonresidential buildings, and privately owned nonresidential buildings more than 50,000 square feet.	1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool. 2. Applicable buildings must have a Recognized Data Verifier verify their data every three years. 3. Benchmarking data will be publicly disclosed for City buildings.
City of Roswell, GA	<a href="#">Resolution No. 2009-06-31 2009</a>	City owned new construction and major renovation buildings more than 5,000 square feet.	1. Applicable buildings must earn ENERGY STAR certification after construction and 12 months of occupancy. 2. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.
City of Salt Lake City, UT	<a href="#">Energy Benchmarking and Transparency Ordinance 2017</a>	All city owned buildings and commercial buildings 25,000 square feet or greater.	1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool. 2. Benchmarking data will be publicly disclosed for applicable buildings.
City of San Francisco, CA	<a href="#">Existing Commercial Buildings Energy Performance Ordinance 2011</a>	All nonresidential buildings.	1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool. 2. Benchmarking data will be publicly disclosed for applicable buildings via an online database.
City of Seattle, WA	<a href="#">Seattle Municipal Code 22.920 2010</a>	Commercial and multifamily buildings 20,000 square feet or greater.	1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool. 2. Upon request, owners of applicable buildings must provide a copy of their most current energy benchmarking report to current tenants, prospective tenants and buyers, and potential lenders. 3. Benchmarking data will be publicly disclosed for applicable buildings via an online database and map.
City of St. Louis, MO	<a href="#">Building Energy Awareness Ordinance 2017</a>	All city owned buildings, and privately owned buildings more than 50,000 square feet.	1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.



## LOCAL POLICIES LEVERAGING ENERGY STAR TOOLS

Organization	Policy	Scope	Requirements
City of South Portland, ME	<a href="#">Benchmarking 2017</a>	Municipal, school, and commercial buildings more than 5,000 square feet, and residential buildings with more than 10 units.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Benchmarking data will be publicly disclosed for applicable buildings</li> <li>3. Applicable buildings must complete a five-year comprehensive energy audit by 2023.</li> </ol>
Washington, District of Columbia	<a href="#">Green Building Act of 2006</a> 2006	New construction and major renovation buildings, 10,000 square feet or greater for district-owned and 50,000 square feet or greater for commercial.	<ol style="list-style-type: none"> <li>1. Applicable buildings must achieve Designed to Earn the ENERGY STAR recognition as determined by the ENERGY STAR Target Finder tool.</li> <li>2. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> </ol>
	<a href="#">Clean and Affordable Energy Act</a> 2008	Privately owned commercial buildings more than 50,000 square feet.	<ol style="list-style-type: none"> <li>1. Applicable buildings must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Benchmarking data will be publicly disclosed for applicable buildings via an online database.</li> </ol>
Borough of West Chester, PA	<a href="#">ENERGY STAR Ordinance for Private Commercial Construction</a> 2008	New construction commercial buildings.	<ol style="list-style-type: none"> <li>1. Applicable buildings must achieve Designed to Earn the ENERGY STAR recognition as determined by the ENERGY STAR Target Finder tool.</li> <li>2. Applicable buildings must track and report annual energy use using the ENERGY STAR Portfolio Manager tool.</li> </ol>

## NATIONAL VOLUNTARY PROGRAMS LEVERAGING ENERGY STAR TOOLS

Organization	Program	Scope	Program Highlights
American Society for Healthcare Engineering (ASHE)	<a href="#">Energy to Care</a> Launched 2006	Healthcare facilities.	<ol style="list-style-type: none"> <li>1. Energy to Care is a healthcare energy benchmarking program that utilizes the ENERGY STAR Portfolio Manager tool to track and report annual energy use.</li> </ol>
Bozzuto	<a href="#">War of the Watts II: Lights Out</a> Launched 2017	Multifamily buildings.	<ol style="list-style-type: none"> <li>1. Challengers track and report energy, water, and waste using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Challengers utilize EPA's Build Your Own Battle communication resources to support and promote the competition.</li> </ol>
Building Owners and Managers Association (BOMA) International	<a href="#">BOMA 360 Performance Program</a>	Occupied commercial office buildings and industrial buildings.	<ol style="list-style-type: none"> <li>1. Participants must track and report their annual energy use using the ENERGY STAR Portfolio Manager tool.</li> </ol>
CommonWealth Partners	<a href="#">Battle of the Buildings Bootcamp</a> Launched 2017	Commercial office buildings.	<ol style="list-style-type: none"> <li>1. Challengers track and report energy, water, and waste using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Challengers utilize EPA's Build Your Own Battle communication resources to support and promote the competition.</li> </ol>





## NATIONAL VOLUNTARY PROGRAMS LEVERAGING ENERGY STAR TOOLS

Fannie Mae	Green Financing Incentives – Green Building Certification Pricing Break; Green Preservation Plus; Green Rewards	Multifamily properties (additional specifications).	<ol style="list-style-type: none"> <li>Participants must track and report their energy use using the ENERGY STAR Portfolio Manager tool and share their 1 – 100 ENERGY STAR Score on an annual basis for the duration of the loan.</li> <li>Individual programs have additional, unique requirements.</li> </ol>
Food Lion, LLC	Battle of the Buildings Launched 2017	Grocery stores.	<ol style="list-style-type: none"> <li>Challengers track and report energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>Challengers utilize EPA's Build Your Own Battle communication resources to support and promote the competition.</li> </ol>
Freddie Mac	Green Advantage Incentives – Green Up; Green Up Plus; Green Certified; Green Rebate	Multifamily properties (additional specifications).	<ol style="list-style-type: none"> <li>Participants must track and report their energy and water use using the ENERGY STAR Portfolio Manager tool, or share their 1 – 100 ENERGY STAR Score with Freddie Mac.</li> <li>Individual programs have additional, unique requirements, including verifying that the participant property is ENERGY STAR certified.</li> </ol>
Global Real Estate Sustainability Benchmark (GRESB)	GRESB	Real estate portfolios, real estate debt providers, infrastructure funds and assets.	<ol style="list-style-type: none"> <li>Many organizations who track and report asset and portfolio-wide energy data to GRESB utilize the ENERGY STAR Portfolio Manager tool.</li> <li>Organizations report the number of ENERGY STAR certified properties in their portfolios.</li> </ol>
Green Building Initiative	Green Globes	Existing buildings and new construction.	<ol style="list-style-type: none"> <li>Existing buildings can earn credits toward Globes certification for tracking energy use using the ENERGY STAR Portfolio Manager tool and sharing their 1 – 100 ENERGY STAR Score.</li> <li>New construction buildings may use the ENERGY STAR Target Finder tool as a compliance path.</li> </ol>
HUD Federal Housing Administration (FHA)	Mortgage Insurance Premium (MIP) Rate Reduction	Multifamily properties with FHA-insured loans.	<ol style="list-style-type: none"> <li>Participants must be ENERGY STAR certified, or have another specified "green and efficient" certification, many of which require the use of the ENERGY STAR Portfolio Manager tool.</li> <li>Owners must submit a Statement of Energy Performance annually.</li> </ol>
	Utility Cost Savings Underwriting		<ol style="list-style-type: none"> <li>Participants meet a specified minimum 1 – 100 ENERGY STAR Score, in addition to tracking and reporting their energy use in ENERGY STAR Portfolio Manager, to underwrite the utility cost savings.</li> </ol>
Institute of Real Estate Management (IREM)	IREM Certified Sustainable Property	Multifamily buildings, office buildings, and shopping centers.	<ol style="list-style-type: none"> <li>Participants must track and report their energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>Participants with higher 1 – 100 ENERGY STAR Scores earn more points toward IREM Certified Sustainable Property certification.</li> <li>ENERGY STAR certification earns all energy points.</li> </ol>
Sustainability Accounting Standards Board	SASB Infrastructure Standard	Real estate corporations.	<ol style="list-style-type: none"> <li>Corporations report the number of ENERGY STAR certified properties in their portfolios.</li> </ol>
U.S. Department of Energy	Better Buildings Challenge Launched 2011	Public, private, residential, and industrial sector buildings.	<ol style="list-style-type: none"> <li>Better Buildings Challenge participants commit to improve the energy efficiency of their portfolios by 20 percent over a ten-year period utilizing the ENERGY STAR Portfolio Manager tool to track and report annual energy use.</li> </ol>



July 2018

## NATIONAL VOLUNTARY PROGRAMS LEVERAGING ENERGY STAR TOOLS

U.S. Green Building Council (USGBC) / Green Business Certification Institute (GBCI)	LEED EB: O+M (Building Operations + Maintenance)	Existing buildings.	1. Buildings seeking LEED EB: O+M certification must achieve a 1 – 100 ENERGY STAR Score of 75 or higher.
Urban Land Institute	Greenprint	Real estate owners, investors, and financial institutions.	1. Greenprint uses ENERGY STAR Portfolio Manager data to produce performance reports.

## STATE VOLUNTARY PROGRAMS LEVERAGING ENERGY STAR TOOLS

Organization	Program	Scope	Program Highlights
Energy Alabama	Buildings Performance Challenge Launched 2016	All existing buildings.	1. Participants pledge to save a specific percentage of energy over a set time period, typically 20% energy savings within 10 years, in their selected buildings. 2. Participants use the ENERGY STAR Portfolio Manager tool to track and report energy use and submit data.
State of New Jersey	NJ Pay for Performance Program Launched 2009	Commercial building owners.	1. Technical assistance is provided for developing and implementing an Energy Reduction Plan to reduce energy use in buildings by 15 percent or more. 2. Participants track and report energy use using the ENERGY STAR Portfolio Manager tool.
	NJ Local Government Energy Audit Program Launched 2009	Local government buildings.	1. Cost-subsidized energy audits are provided for applicable buildings to identify cost-justified energy efficiency measures. 2. Participants track and report energy use using the ENERGY STAR Portfolio Manager tool.
State of New Mexico	Sustainable Building Tax Credit Launched 2007	Commercial and residential buildings.	1. An income tax credit is available to encourage private sector design and construction of energy efficient, sustainable buildings. 2. To qualify, commercial applicants must demonstrate that the building is 60 percent more efficient than an average building of the same type using the ENERGY STAR Target Finder tool. 3. To qualify, residential applicants must demonstrate that ENERGY STAR Homes certification has been earned.
Ohio Hospital Association	Energy Cup Launched 2015	All hospital and health care buildings that are association members.	1. Participants race to reduce energy use and limit greenhouse gas emissions. 2. Participants track and report energy use using the ENERGY STAR Portfolio Manager tool.
State of Pennsylvania	Department of Education Planning and Construction Workbook Launched 2010	New construction or major renovation K-12 buildings.	1. School districts can apply for reimbursement from the Commonwealth for new construction or major renovation projects if they: a. Track and report energy use using the ENERGY STAR Portfolio Manager tool. b. Generate a utility budget for each new construction project using the ENERGY STAR Target Finder tool.



July 2018

## STATE VOLUNTARY PROGRAMS LEVERAGING ENERGY STAR TOOLS

Organization	Program	Scope	Program Highlights
City of Salt Lake City, Utah	<a href="#">Salt Lake City Elevate Buildings</a> Launched 2014	Commercial and industrial buildings in the state of Utah.	<ol style="list-style-type: none"> <li>1. Challengers are encouraged to contribute to or exceed the city's target of achieving a 15 percent improvement in energy efficiency by 2020.</li> <li>2. Participants track and report energy use using the ENERGY STAR Portfolio Manager tool and use Portfolio Manager to compare data to a 2013 baseline.</li> <li>3. The Skyline Challenge is open to competitors statewide but is hosted by Salt Lake City.</li> </ol>
Texas Association of Healthcare Facilities Management	<a href="#">Energy Round Up</a> Launched 2015	All healthcare buildings and medical office buildings.	<ol style="list-style-type: none"> <li>1. The Round Up is a competition between hospital and medical offices to save energy and improve the utility budget bottom line.</li> <li>2. Competitors work off energy waste through improvements in energy efficiency and track and report energy use using the ENERGY STAR Portfolio Manager tool.</li> </ol>
U.S. Green Building Council (USGBC) / Green Business Certification Institute (GBCI)	<a href="#">Arizona Battle of the Buildings</a> Launched 2016 – <b>no longer active</b>	Commercial, industrial, institutional, non-profit, multifamily, education, retail, and campus building owners and tenants.	<ol style="list-style-type: none"> <li>1. <i>Battle of the Building competitors track and report monthly energy use using the ENERGY STAR Portfolio Manager tool, and those achieving the greatest reductions in energy use intensity are recognized at an awards ceremony.</i></li> </ol>
	<a href="#">Michigan Battle of the Buildings</a> Launched 2014	Commercial, industrial, institutional, non-profit, multifamily, education, retail, and campus building owners and tenants.	<ol style="list-style-type: none"> <li>1. Battle of the Building competitors track and report monthly energy use using the ENERGY STAR Portfolio Manager tool, and those achieving the greatest reductions in energy use intensity are recognized at an awards ceremony.</li> </ol>
	<a href="#">Minnesota ENERGY STAR Challenge</a> Launched 2015	Owners and managers of buildings of an ENERGY STAR eligible property type.	<ol style="list-style-type: none"> <li>1. Minnesota seeks to increase the number of ENERGY STAR certified buildings in the state and encourage participants to achieve 20 percent energy savings over 10 years.</li> <li>2. Challenge participants must track and report energy use using the ENERGY STAR Portfolio Manager tool.</li> </ol>
	<a href="#">Nevada Battle of the Buildings</a> Launched 2016 – <b>no longer active</b>	Office, retail, medical, entertainment (hospitality), educational, public, multi-family, and manufacturing / industrial.	<ol style="list-style-type: none"> <li>1. <i>Battle of the Building competitors track and report monthly energy and water use using the ENERGY STAR Portfolio Manager tool, and those achieving the greatest reductions in energy and water use are recognized at an awards ceremony.</i></li> </ol>

## LOCAL VOLUNTARY PROGRAMS LEVERAGING ENERGY STAR TOOLS

Organization	Program	Scope	Program Highlights
A Better City	<a href="#">Challenge for Sustainability</a> Launched 2009	Building and business owners in Boston.	<ol style="list-style-type: none"> <li>1. Challengers are encouraged to track and report energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. All participants receive free energy audits, technical support, energy efficiency rebates and incentives, and complementary training in energy management.</li> </ol>



July 2018

## LOCAL VOLUNTARY PROGRAMS LEVERAGING ENERGY STAR TOOLS

Organization	Program	Scope	Program Highlights
Arlington County, VA	<a href="#">Green Building Bonus Density</a> Launched 2012	New construction or major renovation buildings.	<ol style="list-style-type: none"> <li>Applicable buildings may request additional bonus density in exchange for a minimum level of energy savings, ENERGY STAR certification, and LEED certification.</li> <li>All project owners must provide ENERGY STAR Portfolio Manager utility reporting data after occupancy each year for 10 years.</li> </ol>
Atlanta Regional Commission	<a href="#">Green Communities Program</a> Launched 2012	Local governments.	<ol style="list-style-type: none"> <li>Participants receive points towards Green Community Certification for implementing the following: <ol style="list-style-type: none"> <li>A local policy requiring new construction buildings owned by the jurisdiction to be ENERGY STAR certified.</li> <li>A policy requiring local government building renovations to be ENERGY STAR certified.</li> <li>Offering incentives for ENERGY STAR certification of private sector, affordable housing, and workforce housing buildings.</li> <li>Becoming an ENERGY STAR partner.</li> </ol> </li> </ol>
City of Berkeley, CA	<a href="#">Energy Smart</a> Launched 2014 – <b>no longer active</b>	Commercial and public building owners, managers, and major tenants.	<ol style="list-style-type: none"> <li>Participants track and report energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>Participants are encouraged to submit for recognition through the city's Energy Smart Awards.</li> </ol>
City of Chicago, IL	<a href="#">Retrofit Chicago Energy Program</a> Launched 2012	Commercial, residential, institutional, and municipal buildings.	<ol style="list-style-type: none"> <li>Challenge participants commit to reduce energy use by at least 20 percent within five years of joining the program and to track and report energy use using the ENERGY STAR Portfolio Manager tool.</li> </ol>
	<a href="#">Green Office Challenge</a> Launched 2009 – <b>no longer active</b>	All commercial, retail, educational, and other office spaces.	<ol style="list-style-type: none"> <li>The challenge aims to reduce costs, improve performance, and increase long-term sustainability.</li> <li>Participants use the ENERGY STAR Portfolio Manager tool to track and report energy and water use, and compile results, through the contest period.</li> </ol>
City of Cincinnati, OH	<a href="#">Green Cincinnati Plan</a> Launched 2013 – <b>no longer active</b>	Private businesses.	<ol style="list-style-type: none"> <li>Participants are challenged to reduce greenhouse gas emissions two percent each year and to track and report energy use using the ENERGY STAR Portfolio Manager tool.</li> </ol>
City of Columbus, OH	<a href="#">Columbus Energy Challenge</a> Launched 2014	Commercial and industrial buildings more than 50,000 square feet.	<ol style="list-style-type: none"> <li>Participants are challenged to achieve a 20 percent reduction in building energy use by 2020 and to track and report energy use using the ENERGY STAR Portfolio Manager tool.</li> </ol>
City of Denver, CO	<a href="#">Watts to Water</a> Launched 2008	Office buildings, medical office buildings, multifamily, and hotels more than 5,000 square feet.	<ol style="list-style-type: none"> <li>Participants track and report energy and water use using the ENERGY STAR Portfolio Manager tool, and measure reductions compared to a 2010 baseline.</li> <li>The competition rewards buildings with the greatest reductions in energy- and water-use intensity at the end of each year.</li> </ol>



July 2018

## LOCAL VOLUNTARY PROGRAMS LEVERAGING ENERGY STAR TOOLS

Organization	Program	Scope	Program Highlights
City of Des Moines, IA	<a href="#">Energize Des Moines</a> Launched 2017	All commercial, multifamily, hospitality, entertainment, and industrial buildings more than 25,000 square feet.	<ol style="list-style-type: none"> <li>1. Challengers track and report energy and water use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Challengers will develop a building-specific energy and water savings goal and implement an accompanying action program.</li> <li>3. Challengers will document energy and water efficiency improvements and share solutions.</li> <li>4. Challengers may benchmark solid waste and recycling data as an option to earn additional recognition.</li> </ol>
Fairfax County, VA	<a href="#">Battle of the Buildings</a> Launched 2018	K-12 schools.	<ol style="list-style-type: none"> <li>1. Challengers track and report energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Challengers utilize EPA's Build Your Own Battle communication resources to support and promote the competition.</li> </ol>
City of Fort Worth, TX	<a href="#">City of Fort Worth Business Smart Program</a> Launched 2011	Business owners and operators, and building tenants.	<ol style="list-style-type: none"> <li>1. The program is a performance-based recognition program for businesses and industries that promote environmentally-sustainable choices in the course of daily operations.</li> <li>1. Participants track and report energy use in the ENERGY STAR Portfolio Manager tool and share benchmarking data with the city.</li> </ol>
City of Houston, TX	<a href="#">Houston Green Office Challenge</a> Launched 2010	All commercial, retail, educational, and other office spaces.	<ol style="list-style-type: none"> <li>1. The challenge aims to reduce costs, improve performance, and increase long-term sustainability.</li> <li>2. Participants use the ENERGY STAR Portfolio Manager tool to track and report energy and water use, and compile results, through the contest period.</li> </ol>
City of Knoxville, TN	<a href="#">City of Knoxville Energy &amp; Sustainability Initiative</a> Launched 2014	All city owned buildings.	<ol style="list-style-type: none"> <li>2. Sustainability personnel track and report energy use in applicable buildings using the ENERGY STAR Portfolio Manager tool and Utility Trac Plus.</li> </ol>
City of New Orleans, LA	<a href="#">DowntownNOLA Energy Challenge</a> Launched 2018	All buildings in the downtown area.	<ol style="list-style-type: none"> <li>1. The challenge will help buildings lower their operating expenses and increase their bottom line by better managing their energy use.</li> <li>1. Participants track and report energy use in the ENERGY STAR Portfolio Manager tool and share benchmarking data and metrics with the city.</li> </ol>
Puget Sound Energy	<a href="#">Race to the Finish</a> Launched 2017	Seattle-metro buildings.	<ol style="list-style-type: none"> <li>1. Challengers track and report energy use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Challengers utilize EPA's Build Your Own Battle communication resources to support and promote the competition.</li> </ol>
City of Reno, NV	<a href="#">ReEnergize Reno Program</a> Launched 2017	All municipal, commercial, industrial, and multifamily buildings.	<ol style="list-style-type: none"> <li>1. Participants commit to reducing their energy and water use 20% by 2025, with the baseline year of 2014.</li> <li>2. Participants use the ENERGY STAR Portfolio Manager tool to track and report energy and water use, and submit data.</li> </ol>





July 2018

## LOCAL VOLUNTARY PROGRAMS LEVERAGING ENERGY STAR TOOLS

Organization	Program	Scope	Program Highlights
City of Rockville, MD	<a href="#">Commercial Green Building Tax Credit</a> Launched 2012	Existing commercial buildings.	<ol style="list-style-type: none"> <li>1. Applicable buildings may earn a tax credit if the building has achieved LEED certification, and ENERGY STAR certification within one year of submitting for the credit.</li> <li>2. For tax credit years 2 through 5, building owners or managers must submit the Statement of Energy Performance demonstrating maintenance of ENERGY STAR certification.</li> </ol>
Prince George's County, MD	<a href="#">ENERGY STAR and Green Leasing Grant Program</a> Launched 2018	Existing multifamily and office buildings more than 10,000 square feet.	<ol style="list-style-type: none"> <li>1. Participants are required to achieve ENERGY STAR certification.</li> <li>2. Participants must apply for EmPOWER Maryland efficiency incentives.</li> <li>2. All properties must demonstrate current or future use of green leasing best practices.</li> </ol>
St. Louis Regional Chamber & U.S. Green Building Council – Missouri Gateway Chapter	<a href="#">St. Louis High Performance Building Initiative</a> Launched 2012	All existing buildings.	<ol style="list-style-type: none"> <li>1. The initiative aims to increase the square footage of third-party verified space in the St. Louis region.</li> <li>3. The initiative promotes the use of energy management tools, including tracking and reporting annual energy use using the ENERGY STAR Portfolio Manager tool.</li> </ol>
Sustainable Pittsburgh	<a href="#">Sustainable Pittsburgh Challenge</a> Launched 2011	All businesses, nonprofits, universities, K-12 schools, and local governments.	<ol style="list-style-type: none"> <li>1. The challenge aims to reduce costs, improve performance, and increase long-term sustainability.</li> <li>2. Participants use the ENERGY STAR Portfolio Manager tool to track and report energy and water use, and compile results, through the contest period.</li> </ol>
U.S. Green Building Council – Central Florida Chapter	<a href="#">Central Florida Battle of the Buildings</a> Launched 2017	All existing commercial buildings.	<ol style="list-style-type: none"> <li>1. Participants track and report energy and water use using the ENERGY STAR Portfolio Manager tool.</li> <li>2. Awards will be given to the buildings that achieve the greatest reduction in 16 categories of participation tied to the tracking of energy and water reduction and waste diversion.</li> </ol>
City of Westchester, NY	<a href="#">Green Business Partnership</a> Launched 2010	All businesses.	<ol style="list-style-type: none"> <li>1. Participants track and report energy use using the ENERGY STAR Portfolio Manager tool, and use Portfolio Manager to establish baselines and develop reduction goals.</li> <li>2. Buildings are evaluated using an innovative Green Business Scorecard and encouraged to reduce greenhouse gas emissions.</li> </ol>
City of Winneshiek, IA	<a href="#">Green Business Challenge</a> Launched 2011 – <b>no longer active</b>	All commercial, retail, educational, and other office spaces.	<ol style="list-style-type: none"> <li>1. <i>The challenge aims to reduce costs, improve performance, and increase long-term sustainability.</i></li> <li>2. <i>Participants use the ENERGY STAR Portfolio Manager tool to track and report energy and water, and compile results, through the contest period.</i></li> </ol>